

Copy

RAW SEQUENCE LISTING

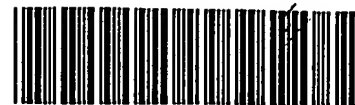
The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09/938,703B

Source: _____

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IFW16

RAW SEQUENCE LISTING

DATE: 04/20/2005

PATENT APPLICATION: US/09/938,703B

TIME: 12:35:41

Input Set : N:\CrF3\RULE60\09938703B.raw.txt

Output Set: N:\CRF4\04202005\I938703B.raw

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1 <110> APPLICANT: Euroscreen S.A.
2     SAMSON, Michel
3     PARMENTIER, Marc
4     VASSART, Gilbert
5     LIBERT, Frederick
6 <120> TITLE OF INVENTION: Methods for Identifying Compounds which Bind the Active CCR5
Chemokine
7     Receptor
8 <130> FILE REFERENCE: 9409/2023C
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/938,703B
10 <141> CURRENT FILING DATE: 2001-08-24
11 <150> PRIOR APPLICATION NUMBER: US/09/939,226
12 <151> PRIOR FILING DATE: 2001-08-24
13 <150> PRIOR APPLICATION NUMBER: US 08/833,752
14 <151> PRIOR FILING DATE: 1997-04-09
15 <150> PRIOR APPLICATION NUMBER: US 09/626,939
16 <151> PRIOR FILING DATE: 2000-07-27
17 <150> PRIOR APPLICATION NUMBER: US 08/810,028
18 <151> PRIOR FILING DATE: 1997-03-04
19 <160> NUMBER OF SEQ ID NOS: 18
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 792
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
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29     tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
30     aaatacatc taggacttta taaaagatca ctttttattt atgcacaggg tggacaaga      240
31     tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
32     aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcaactggtgt      360
33     tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
34     tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg tttttccttc      480
35     ttactgtccc cttctgggct cactatgctg ccgcccagtg ggactttgga aatacaatgt      540
36     gtcaactctt gacagggtct tattttatag gcttcttctc tggaaatcttc ttcatcatcc      600
37     tcctgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
38     cggtcacctt tggggtggtg acaagtgtga tcaactgggt ggtggctgtg tttgcgtctc      720
39     tcccaggaat catctttacc agatctcaaa aagaaggctc tcattacacc tgcagctctc      780
40     attttccata ca
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 1477
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens

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52 <222> LOCATION: (1384)..(1385)
53 <223> OTHER INFORMATION: Any nucleotide
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56      tcccttcact acaaaacttc attgcttggc caaaaagaga gttaattcaa tgtagacatc      120
57      tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
58      aaatacattc taggacttta taaaagatca ctttttattt atgcacaggg tggacaaga      240
59      tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
60      aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcactggtgt      360
61      tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
62      tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttcccttc      480
63      ttactgtccc cttctgggct cactatgctg ccgccagtg ggactttgga aatacaatgt      540
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65      tcctgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
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67      tcccaggaat catctttacc agatctcaaa aagaaggctc tcattacacc tgcagctctc      780
68      attttccata cagtcagtat caattctgga agaatttcca gacattaaag atagtcatct      840
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71      tgattgttta ttttctcttc tgggctccct acaacattgt ccttctcctg aacaccttc      1020
72      aggaattctt tggcctgaat aattgcagta gctctaacag gttggacca gctatgcagg      1080
73      tgacagagac tcttgggatg acgcactgct gcatcaaccc catcatctat gcctttgtcg      1140
74      gggagaagtt cagaaactac ctcttagtct tcttccaaaa gcacattgcc aaacgcttct      1200
75      gcaaatgctg tctatttttc cagcaagagg ctcccgagcg agcaagctca gtttacaccc      1260
76      gatccactgg ggagcaggaa atatctgtgg ccttggtgaca cggactcaag tgggctggtg      1320
W--> 77      acccagtcag agttgtgcac atggcttagt tttcatacac agcctgggtt gggggtnngt      1380
78      tggngaggt cttttttaaa aggaagttac tggtatagag ggtctaagat tcatccattt      1440
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82 <211> LENGTH: 1442
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
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87      tcccttcact acaaaacttc attgcttggc caaaaagaga gttaattcaa tgtagacatc      120
88      tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
89      aaatacattc taggacttta taaaagatca ctttttattt atgcacaggg tggacaaga      240
90      tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
91      aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcactggtgt      360
92      tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
93      tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttcccttc      480
94      ttactgtccc cttctgggct cactatgctg ccgccagtg ggactttgga aatacaatgt      540
95      gtcaactctt gacagggctc tattttatag gcttcttctc tggaaatctc ttcacatcc      600

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Input Set : N:\Crif3\RULE60\09938703B.raw.txt

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96      tcctgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
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98      tcccaggaat catctttacc agatctcaaa aagaaggctct tcattacacc tgcagctctc      780
99      attttccata cattaaagat agtcatcttg gggctgggtcc tgccgctgct tgtcatggtc      840
100     atctgctact cgggaaatcct aaaaactctg cttcgggtgtc gaaatgagaa gaagaggcac      900
101     agggctgtga ggcttatctt caccatcatg attgtttatt ttctcttctg ggctccctac      960
102     aacattgtcc ttctcctgaa caccttccag gaattctttg gcctgaataa ttgcagtagc     1020
103     tctaacaggt tggaccaagc tatgcagggt acagagactc ttgggatgac gcaactgtgc     1080
104     atcaacccca tcatctatgc ctttgtcggg gagaagttca gaaactacct cttagtcttc     1140
105     ttccaaaagc acattgccaa acgcttctgc aaatgctggt ctattttcca gcaagagggt     1200
106     cccgagcgag caagctcagt ttacaccgga tccactgggg agcaggaaat atctgtgggc     1260
107     ttgtgacacg gactcaagtg ggctgggtgac ccagtcagag ttgtgcacat ggcttagttt     1320
108     tcatacacag cctgggctgg gggtggttgg gaggtctttt ttaaaaggaa gttactgtta     1380
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112 <210> SEQ ID NO: 4

113 <211> LENGTH: 184

114 <212> TYPE: PRT

115 <213> ORGANISM: Homo sapiens

116 <400> SEQUENCE: 4

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119     Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
120             20             25             30
121     Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
122             35             40             45
123     Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
124             50             55             60
125     Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
126             65             70             75             80
127     Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
128             85             90             95
129     Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
130             100            105            110
131     Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
132             115            120            125
133     Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
134             130            135            140
135     Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
136             145            150            155            160
137     Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
138             165            170            175
139     Thr Cys Ser Ser His Phe Pro Tyr
140             180

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142 <210> SEQ ID NO: 5

143 <211> LENGTH: 352

144 <212> TYPE: PRT

145 <213> ORGANISM: Homo sapiens

146 <400> SEQUENCE: 5

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\04202005\I938703B.raw

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147 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
148 1 5 10 15
149 Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
150 20 25 30
151 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
152 35 40 45
153 Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
154 50 55 60
155 Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
156 65 70 75 80
157 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
158 85 90 95
159 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
160 100 105 110
161 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
162 115 120 125
163 Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
164 130 135 140
165 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
166 145 150 155 160
167 Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
168 165 170 175
169 Thr Cys Ser Ser His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn
170 180 185 190
171 Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu
172 195 200 205
173 Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys
174 210 215 220
175 Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg Leu Ile Phe Thr Ile
176 225 230 235 240
177 Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr Asn Ile Val Leu Leu
178 245 250 255
179 Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn Asn Cys Ser Ser Ser
180 260 265 270
181 Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu Thr Leu Gly Met Thr
182 275 280 285
183 His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe Val Gly Glu Lys Phe
184 290 295 300
185 Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His Ile Ala Lys Arg Phe
186 305 310 315 320
187 Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala Pro Glu Arg Ala Ser
188 325 330 335
189 Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu Ile Ser Val Gly Leu
190 340 345 350
192 <210> SEQ ID NO: 6
193 <211> LENGTH: 215
194 <212> TYPE: PRT
195 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 6

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/938,703B

TIME: 12:35:41

Input Set : N:\Crf3\RULE60\09938703B.raw.txt

Output Set: N:\CRF4\04202005\I938703B.raw

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197 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
198 1 5 10 15
199 Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
200 20 25 30
201 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
202 35 40 45
203 Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
204 50 55 60
205 Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
206 65 70 75 80
207 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
208 85 90 95
209 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
210 100 105 110
211 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
212 115 120 125
213 Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
214 130 135 140
215 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
216 145 150 155 160
217 Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
218 165 170 175
219 Thr Cys Ser Ser His Phe Pro Tyr Ile Lys Asp Ser His Leu Gly Ala
220 180 185 190
221 Gly Pro Ala Ala Cys His Gly His Leu Leu Leu Gly Asn Pro Lys
222 195 200 205
223 Asn Ser Ala Ser Val Ser Lys
224 210 215
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 360
228 <212> TYPE: PRT
229 <213> ORGANISM: Homo sapiens
230 <220> FEATURE:
231 <221> NAME/KEY: MISC FEATURE
232 <222> LOCATION: (325)..(327)
233 <223> OTHER INFORMATION: Xaa = any amino acid
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237 Gly Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys
238 20 25 30
239 His Lys Phe Asp Val Lys Gln Ile Gly Ala Gln Leu Leu Pro Pro Leu
240 35 40 45
241 Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn Met Leu Val Val
242 50 55 60
243 Leu Ile Leu Ile Asn Cys Lys Lys Leu Lys Cys Leu Thr Asp Ile Tyr
244 65 70 75 80
245 Leu Leu Asn Leu Ala Ile Ser Asp Leu Leu Phe Ile Ile Thr Leu Pro
246 85 90 95

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/938,703B

DATE: 04/20/2005
TIME: 12:35:42

Input Set : N:\Crf3\RULE60\09938703B.raw.txt
Output Set: N:\CRF4\04202005\I938703B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1377,1384,1385
Seq#:7; Xaa Pos. 325,326,327
Seq#:8; Xaa Pos. 231,232,233,333,334,335
Seq#:10; Xaa Pos. 145,146,147,321,322,323

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6
Seq#:14; Line(s) 494
Seq#:15; Line(s) 506

VERIFICATION SUMMARY

DATE: 04/20/2005

PATENT APPLICATION: US/09/938,703B

TIME: 12:35:42

Input Set : N:\Crf3\RULE60\09938703B.raw.txt

Output Set: N:\CRF4\04202005\I938703B.raw

L:9 M:270 C: Current Application Number differs, Wrong Format
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
M:341 Repeated in SeqNo=2
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:320
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:224
M:341 Repeated in SeqNo=8
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:144
M:341 Repeated in SeqNo=10